



2872

RECEIVED

JUL 23 2001

TC 2000 MAIL ROOM

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)
Approved for use through 10/31/2002, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/836,685
	Filing Date	April 17, 2001
	First Named Inventor	Odhner
	Group Art Unit	2872
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	LUC 2-026-3

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Diane E. Burke Mueller and Smith, LPA
Signature	<i>Diane E. Burke</i>
Date	July 17, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: July 17, 2001			
Typed or printed name	Gail E. James		
Signature	<i>Gail E. James</i>	Date	July 17, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

#2 IDS

Attorney Docket No.: LUC 2-026-3 M. Brunson



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED 8/10/01

JUL 23 2001

TC 2850 MAIL ROOM

In re Application of)
Jefferson E. Odhner, et al.)
Serial No.: 09/836,685)
Filed: April 17, 2001)
For: Direction of Optical Signals By)
A Movable Diffractive Optical Element)

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is filed in conformity with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Accordingly, copies of the art cited herein are provided:

Document	Date	Name
U.S. Patent No. 5,777,763	July 7, 1998	Tomlinson, III
U.S. Patent No. 5,748,815	May 5, 1998	Hamel, et al.
U.S. Patent No. 5,748,350	May 5, 1998	Pan, et al.
U.S. Patent No. 5,613,022	Mar. 18, 1997	Odhner, et al.
U.S. Patent No. 5,526,155	June 11, 1996	Knox, et al.
U.S. Patent No. 5,461,687	Oct. 24, 1995	Brock
U.S. Patent No. 5,457,573	Oct. 10, 1995	Iida, et al.
U.S. Patent No. 5,450,512	Sept. 12, 1995	Asakura
U.S. Patent No. 5,056,886	Oct. 15, 1991	Hoult
U.S. Patent No. 4,923,271	May 8, 1990	Henry, et al.
U.S. Patent No. 4,799,763	Jan. 24, 1989	Davis, et al.
U.S. Patent No. 4,679,901	July 14, 1987	Dammann, et al.
U.S. Patent No. 4,669,467	June 2, 1987	Willett, et al.
U.S. Patent No. 4,626,069	Dec. 2, 1986	Dammann, et al.
U.S. Patent No. 4,621,894	Nov. 11, 1986	Gouali
U.S. Patent No. 4,552,462	June 11, 1985	Large, et al.
U.S. Patent No. 4,337,993	July 6, 1982	Kompfner
U.S. Patent No. 3,975,082	Aug. 17, 1976	Winzer
French Patent No. 2,538,131	Dec. 20 1982	Metz

U.S. Pat. No. 5,777,763 describes an in-line optical wavelength reference and control module which uses a pair of gratings to direct a signal of a particular wavelength. Additional pairs of gratings are provided in series where direction of multiple signals is desired.

U.S. Patent No. 5,748,815 describes an apparatus for use as a drop/add multiplexer wherein signals are directed from input fibers to output fibers by a fixed diffraction grating

positioned in a Littrow configuration to obtain the smallest insertion losses for optical fiber transmission applications.

U.S. Patent No. 5,748,350 describes a DWDM device which uses a plurality of Bragg filters, each having a reflection band of a given frequency, to transmit or reflect signals of that given frequency.

U.S. Patent No. 5,613,022 describes a diffractive element wherein a piezo-electric film is energized for movement of a diffractive pattern affixed to the film. Resulting movement varies the effective spacing of the grating, and a display may be created from light diffracted from the grating.

U.S. Patent No. 5,526,155 describes a single optical source used in DWDM applications to provide an optical pulse signal, which is thereafter split into a plurality of channel signals for multiplexing applications.

U.S. Patent No. 5,461,687 describes the use of a dispersive element in combination with a plurality of mirrors to direct an optical signal and provide a true time delay.

U.S. Patent No. 5,457,573 describes a diffraction grating formed by grooves and a reflective film provided in a transparent substrate.

U.S. Patent No. 5,450,512 describes a beam selection device that acts as a filter to abstract a given wavelength.

U.S. Patent No. 5,056,886 describes a switching device utilizing a rotating mirror.

U.S. Patent No. 4,923,271 describes an optical multiplexing/demultiplexing system utilizing a plurality of Bragg reflectors that share a common focal point.

U.S. Patent No. 4,799,763 describes an image projection system that reduces image distortion.

U.S. Patent No. 4,679,901 describes an optical phase grating that divides a signal among multiple outputs.

U.S. Patent No. 4,669,467 describes a catheter device for combining multiple inputs into a single channel.

U.S. Patent No. 4,626,069 describes an optical phase grating that divides a signal among multiple outputs.

U.S. Patent No. 4,621,894 describes a device for directing a light source to a matrix of fibers by way of a fixed diffraction grating.

U.S. Patent No. 4,552,462 describes a multiplexing/demultiplexing application using a GRINS lens.

U.S. Patent No. 4,337,993 describes a device for directing optical signals using a fixed diffraction grating.

U.S. Patent No. 3,975,082 describes an on/off switching device.

French Patent No. 2,538,131 describes a device for directing optical signals using multiple diffraction gratings. An English translation is attached.

RE MARKS

It respectfully is submitted that none of the foregoing art, alone or in combination, shows or proposes the present invention. Accordingly, favorable action on the application respectfully is requested.

Respectfully submitted,

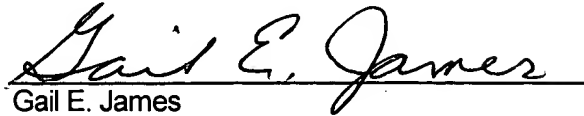


Diane E. Burke
Reg. No. 45, 725
MUELLER AND SMITH, L.P.A.
MUELLER-SMITH BUILDING
7700 Rivers Edge Drive
Columbus, Ohio 43235-1331
Tel.: 614-436-0600
Fax: 614-436-0057
email: patents@infinet.com

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited on July 17, 2001 with the United States Postal Service as first class mail in an envelope addressed to:

Box Patent Application
Commissioner of Patents and Trademarks
Washington, D.C. 20231


Gail E. James